

Notice of Allowability

Application No.

10/763,840

Examiner

CUONG H. NGUYEN

Applicant(s)

LI, SHIH-HSIUNG

Art Unit

3661

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 2/22/2004.
2. ☒ The allowed claim(s) is/are 1-17.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date 7/07/06
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413),
Paper No./Mail Date _____.
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____.

CUONG H. NGUYEN
Primary Examiner
Art Unit: 3661

DETAILED ACTION

1. This Office Action is the answer to the communication received on 1/22/2004.

Status of the claims

2. Claims 1-17 are pending.

Allowable Subject Matter & Reasons for Allowance

3. Independent claims 1, and 16 are patentable over references of DERWENT-ACC-NO 2002-714739 by Emmert et al., DERWENT-ACC-NO 2002-714339, Schaible et al. (US Pat. 6,114,950), Viana et al. (US Pat. 6,873,250), because these references do not disclose a parking guidance system for guiding parking of large vehicles, such as trucks, trailers, buses, and articulated vehicles comprises a unit controller, a memory device connected to unit controller, a radio frequency (RF) signal receiver module that receives RF signal from RF signal transmitter module of data collection assembly, an alarm, a monitor, and a power supply providing operating voltage to all system components and being connected to data collection assembly.

The data collection assembly is installed in a hollow horizontal bar mounted on the bumper of the vehicle. The data collection assembly comprises an assembly controller, a memory device connected to the assembly controller, multiple combination ultrasonic transmitter and detector modules to sense objects through view port that vehicle is approaching, an ultrasonic transmitter and receiver unit, a signal processing circuit including a microprocessor, and a RF signal transmission module. The unit controller of the console unit analyzes distance data received from the data collection system to determine whether an object the vehicle is approaching is within a threshold range and whether to initiate a warning to the driver.

Emmert et al. disclose a parking aid for big lorry has a distance sensor on the rear bumper. It may be a video camera, a radar set or sonar equipment. The sensor is connected to the display unit in the cab by a radio link, which may enable different tractor units to be used with different trailers or semi trailers. This parking controller does not utilize multiple inputs, and multiple outputs.

4. Claims 2-15, and 17 are allowed because they are dependent on claims 1, and 16.

Conclusion

5. Claims 1-17 are patentable.

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to CUONG H. NGUYEN whose telephone number is 571-272-6759 (or email. cuong.nguyen@uspto.gov). The examiner can normally be reached on 9:30 am - 5:30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, THOMAS G. BLACK can be reached on 571-272-6956. The Rightfax number for the organization where this application is assigned is 571-273-6956.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).


CUONG NGUYEN
PRIMARY EXAMINER